Proposed Amendments to the Claims:

This listing of claims may replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A reversible transmission comprising:

a support frame including top and bottom surfaces;

an elongate drive shaft being supported by said frame, said drive shaft having input and output end portions extending outwardly from said top and bottom surfaces, said drive shaft having a longitudinal axis, said drive shaft including a wedge adjacent to said output end portions;

an elongate idler shaft supported by said frame and spaced ~~from~~ subjacent to said drive shaft, said idler shaft having a longitudinal axis extending substantially parallel to the longitudinal axis of said drive shaft, said idler shaft having one end portion extending outwardly from said top surface of said frame;

a drive mechanism being operably connected to said drive and idler shafts respectively and having an input for causing same to rotate in a first direction about said respective longitudinal axis thereof;

means for governing the rotational direction of said drive shaft and being operably connected to said drive mechanism and for causing said drive shaft to accelerate in the first direction to thereby cause said idler shaft to rotate at a relative speed, said governing means cooperating with said drive mechanism for causing said drive shaft to reach an idle stage and thereafter causing said drive shaft to rotate in a second direction after same accelerates from the idle stage; and

a sprocket operably connected to said output end portion of said drive shaft and rotating in the same direction thereof;

wherein said wedge cooperates with said sprocket and said drive mechanism for selectively preventing rotational movement of said drive shaft when the direction of rotation is changed.

2. (Original) The transmission of claim 1, wherein said drive mechanism comprises a plurality of pulleys and a belt operably connected to same and for assisting to control rotational acceleration of said drive and idler shafts.

3. (Original) The transmission of claim 1, wherein said drive mechanism further comprises an idler drive gear operably connected to said idler shaft.

4. (Currently Amended) The transmission of claim 3, wherein said governing means comprises:

a stub shaft vertically spaced from said drive shaft and disposed parallel to said drive shaft;

a main drive gear operably attached thereto and to said idler drive gear;

a planetary drive gear mounted to said stub shaft and for cooperating with said main drive gear; ~~and~~

a first plurality of spacers directly interfitted between said main drive gear and said planetary drive gear;

a drive gear connected to said drive shaft and inter-geared with said planetary drive gear; and

a second plurality of spacers directly interfitted between said main drive gear and said drive gear.

5. (Original) The transmission of claim 4, wherein said governing means further comprises:

an output drive gear connected to said drive shaft adjacent said output end portion thereof, said output drive being connected to said drive gear and said planetary drive gear and said sprocket.

6. (Original) The transmission of claim 4, wherein said governing means further comprises:

a support plate and a shoulder bolt for connecting same to said stub shaft.

7. (Original) The transmission of claim 1, further comprising a plurality of bearings engageable with said drive and idler shafts and for assisting to maintain same at substantially stable positions during operating conditions.

8. (Original) A reversible transmission comprising:

a support frame including top and bottom surfaces;

an elongate drive shaft being supported by said frame, said drive shaft having input and output end portions extending outwardly from said top and bottom surfaces, said drive shaft having a longitudinal axis;

an elongate idler shaft supported by said frame and spaced from said drive shaft, said idler shaft having a longitudinal axis extending substantially parallel to the longitudinal axis of said drive shaft, said idler shaft having one end portion extending outwardly from said top surface of said frame;

a drive mechanism being operably connected to said drive and idler shafts respectively and having an input for causing same to rotate in a first direction about said respective longitudinal axis thereof, said drive mechanism includes a plurality of pulleys and a belt operably connected to same and for assisting to control rotational acceleration of said drive and idler shafts;

means for governing the rotational direction of said drive shaft and being operably connected to said drive mechanism and for causing said drive shaft to accelerate in the first direction to thereby cause said idler shaft to rotate at a relative speed, said governing means cooperating with said drive mechanism for causing said drive shaft to reach an idle stage and thereafter causing said drive shaft to rotate in a second direction after same accelerates from the idle stage; and

a sprocket operably connected to said output end portion of said drive shaft and rotating in the same direction thereof.

9. (Original) The transmission of claim 8, wherein said drive mechanism further comprises an idler drive gear operably connected to said idler shaft.

10. (Original) The transmission of claim 9, wherein said governing means comprises:

a stub shaft;

a main drive gear operably attached thereto and to said idler drive gear;

a planetary drive gear mounted to said stub shaft and for cooperating with said main drive gear; and

a drive gear connected to said drive shaft and inter-geared with said planetary drive gear.

11. (Original) The transmission of claim 10, wherein said governing means further comprises:

an output drive gear connected to said drive shaft adjacent said output end portion thereof, said output drive being connected to said drive gear and said planetary drive gear and said sprocket.

12. (Original) The transmission of claim 10, wherein said governing means further comprises:

a support plate and a shoulder bolt for connecting same to said stub shaft.

13. (Original) The transmission of claim 8, further comprising a plurality of bearings engageable with said drive and idler shafts and for assisting to maintain same at substantially stable positions during operating conditions.

14. (Original) A reversible transmission comprising:

a support frame including top and bottom surfaces;

an elongate drive shaft being supported by said frame, said drive shaft having input and output end portions extending outwardly from said top and bottom surfaces, said drive shaft having a longitudinal axis;

an elongate idler shaft supported by said frame and spaced from said drive shaft, said idler shaft having a longitudinal axis extending substantially parallel to the longitudinal axis of said drive shaft, said idler shaft having one end portion extending outwardly from said top surface of said frame;

a drive mechanism being operably connected to said drive and idler shafts respectively and having an input for causing same to rotate in a first direction about said respective longitudinal axis thereof, said drive mechanism includes a plurality of pulleys and a belt operably connected to same and for assisting to control rotational acceleration of said drive and idler shafts, said drive mechanism further includes an idler drive gear operably connected to said idler shaft;

means for governing the rotational direction of said drive shaft and being operably connected to said drive mechanism and for causing said drive shaft to accelerate in the first direction to thereby cause said idler shaft to rotate at a relative speed, said governing means cooperating with said drive mechanism for causing said drive shaft to reach an idle stage and thereafter causing said drive shaft to rotate in a second direction after same accelerates from the idle stage; and

a sprocket operably connected to said output end portion of said drive shaft and rotating in the same direction thereof.

15. (Original) The transmission of claim 14, wherein said governing means comprises:

a stub shaft;

a main drive gear operably attached thereto and to said idler drive gear;

a planetary drive gear mounted to said stub shaft and for cooperating with said main drive gear; and

a drive gear connected to said drive shaft and inter-geared with said planetary drive gear.

16. (Original) The transmission of claim 15, wherein said governing means further comprises:

an output drive gear connected to said drive shaft adjacent said output end portion thereof, said output drive being connected to said drive gear and said planetary drive gear and said sprocket.

17. (Original) The transmission of claim 15, wherein said governing means further comprises:

a support plate and a shoulder bolt for connecting same to said stub shaft.

18. (Original) The transmission of claim 14, further comprising a plurality of bearings engageable with said drive and idler shafts and for assisting to maintain same at substantially stable positions during operating conditions.